

TABLE 85

**Federal obligations for research, by performer: FYs 1967–2022**

(Dollars in millions)

| Fiscal year | Total  | Intramural                    |        | Extramural                         |                               |                         |                             |                     |
|-------------|--------|-------------------------------|--------|------------------------------------|-------------------------------|-------------------------|-----------------------------|---------------------|
|             |        | Federal agencies <sup>a</sup> | FFRDCs | United States and U.S. territories |                               |                         |                             | Non-U.S. performers |
|             |        |                               |        | Businesses                         | Higher education <sup>b</sup> | Nonprofit organizations | State and local governments |                     |
| 1967        | 4,631  | 1,461                         | 472    | 1,039                              | 1,312                         | 249                     | 53                          | 46                  |
| 1968        | 4,781  | 1,541                         | 484    | 1,094                              | 1,302                         | 234                     | 82                          | 45                  |
| 1969        | 4,645  | 1,645                         | 453    | 886                                | 1,322                         | 222                     | 75                          | 42                  |
| 1970        | 4,901  | 1,904                         | 500    | 876                                | 1,276                         | 230                     | 83                          | 30                  |
| 1971        | 5,123  | 1,888                         | 487    | 889                                | 1,430                         | 282                     | 96                          | 52                  |
| 1972        | 5,548  | 1,984                         | 534    | 907                                | 1,643                         | 342                     | 94                          | 45                  |
| 1973        | 5,581  | 2,088                         | 474    | 887                                | 1,691                         | 316                     | 84                          | 40                  |
| 1974        | 6,175  | 2,270                         | 523    | 875                                | 1,958                         | 414                     | 91                          | 44                  |
| 1975        | 6,730  | 2,464                         | 626    | 1,010                              | 2,079                         | 395                     | 112                         | 44                  |
| 1976        | 7,619  | 2,879                         | 782    | 1,103                              | 2,250                         | 435                     | 119                         | 50                  |
| 1977        | 8,514  | 2,958                         | 918    | 1,367                              | 2,584                         | 512                     | 115                         | 60                  |
| 1978        | 9,607  | 3,221                         | 1,017  | 1,651                              | 2,928                         | 591                     | 129                         | 70                  |
| 1979        | 10,535 | 3,481                         | 1,119  | 1,762                              | 3,333                         | 623                     | 139                         | 77                  |
| 1980        | 11,597 | 3,666                         | 1,234  | 2,078                              | 3,699                         | 678                     | 151                         | 91                  |
| 1981        | 12,213 | 4,034                         | 1,360  | 1,958                              | 3,920                         | 705                     | 129                         | 106                 |
| 1982        | 13,022 | 4,194                         | 1,648  | 2,157                              | 4,045                         | 744                     | 126                         | 108                 |
| 1983        | 14,254 | 4,710                         | 1,858  | 2,114                              | 4,468                         | 837                     | 137                         | 130                 |
| 1984        | 14,979 | 4,765                         | 1,920  | 2,137                              | 5,030                         | 923                     | 88                          | 117                 |
| 1985        | 16,133 | 5,056                         | 2,004  | 2,074                              | 5,726                         | 1,045                   | 89                          | 138                 |
| 1986        | 16,502 | 5,160                         | 1,862  | 2,280                              | 5,883                         | 1,063                   | 91                          | 162                 |
| 1987        | 17,941 | 5,438                         | 1,994  | 2,449                              | 6,640                         | 1,207                   | 90                          | 122                 |
| 1988        | 18,650 | 5,338                         | 2,103  | 2,642                              | 7,023                         | 1,300                   | 103                         | 140                 |
| 1989        | 20,766 | 5,897                         | 2,417  | 2,875                              | 7,793                         | 1,520                   | 121                         | 142                 |
| 1990        | 21,622 | 5,810                         | 2,543  | 3,192                              | 8,137                         | 1,660                   | 126                         | 154                 |
| 1991        | 23,968 | 6,454                         | 3,041  | 3,407                              | 8,868                         | 1,926                   | 129                         | 143                 |
| 1992        | 24,491 | 6,523                         | 3,177  | 3,451                              | 9,061                         | 2,050                   | 109                         | 120                 |
| 1993        | 26,890 | 7,452                         | 3,272  | 3,924                              | 9,892                         | 2,041                   | 212                         | 97                  |
| 1994        | 27,411 | 7,481                         | 3,097  | 4,064                              | 10,292                        | 2,102                   | 231                         | 145                 |
| 1995        | 28,434 | 7,685                         | 3,252  | 4,699                              | 10,354                        | 2,079                   | 221                         | 145                 |
| 1996        | 28,260 | 7,513                         | 3,277  | 4,269                              | 10,707                        | 2,179                   | 187                         | 128                 |
| 1997        | 29,365 | 7,667                         | 3,576  | 4,392                              | 11,173                        | 2,295                   | 144                         | 118                 |
| 1998        | 30,922 | 7,969                         | 3,802  | 4,633                              | 11,739                        | 2,425                   | 240                         | 115                 |
| 1999        | 33,528 | 8,686                         | 3,903  | 4,580                              | 13,204                        | 2,807                   | 232                         | 116                 |
| 2000        | 38,471 | 9,450                         | 4,170  | 4,801                              | 16,022                        | 3,714                   | 163                         | 152                 |
| 2001        | 44,714 | 11,131                        | 4,658  | 5,262                              | 18,657                        | 4,578                   | 309                         | 119                 |
| 2002        | 48,007 | 11,857                        | 4,906  | 5,787                              | 20,285                        | 4,723                   | 275                         | 172                 |
| 2003        | 51,072 | 12,420                        | 5,155  | 6,042                              | 21,676                        | 5,196                   | 306                         | 276                 |
| 2004        | 53,358 | 12,085                        | 5,614  | 6,783                              | 22,699                        | 5,216                   | 533                         | 427                 |
| 2005        | 53,738 | 12,350                        | 5,733  | 6,456                              | 23,156                        | 5,296                   | 377                         | 370                 |
| 2006        | 53,536 | 12,262                        | 5,759  | 6,436                              | 22,809                        | 5,449                   | 418                         | 402                 |
| 2007        | 54,094 | 11,816                        | 6,088  | 6,074                              | 23,967                        | 5,417                   | 298                         | 433                 |
| 2008        | 53,894 | 11,922                        | 5,758  | 5,782                              | 24,323                        | 5,397                   | 339                         | 372                 |
| 2009        | 63,692 | 13,319                        | 6,681  | 6,280                              | 30,169                        | 6,501                   | 344                         | 399                 |
| 2010        | 63,728 | 13,281                        | 6,745  | 6,625                              | 29,608                        | 6,687                   | 353                         | 429                 |
| 2011        | 58,065 | 12,663                        | 6,656  | 6,037                              | 26,253                        | 5,802                   | 282                         | 370                 |
| 2012        | 61,986 | 14,293                        | 6,993  | 7,794                              | 26,290                        | 5,854                   | 352                         | 410                 |
| 2013        | 59,533 | 13,417                        | 7,490  | 7,366                              | 24,772                        | 5,780                   | 313                         | 395                 |
| 2014        | 63,191 | 14,306                        | 8,034  | 8,057                              | 26,110                        | 5,931                   | 395                         | 358                 |

TABLE 85

**Federal obligations for research, by performer: FYs 1967–2022**

(Dollars in millions)

| Fiscal year        | Total  | Intramural                    |        | Extramural                         |                               |                         |                             |                     |
|--------------------|--------|-------------------------------|--------|------------------------------------|-------------------------------|-------------------------|-----------------------------|---------------------|
|                    |        | Federal agencies <sup>a</sup> | FFRDCs | United States and U.S. territories |                               |                         |                             | Non-U.S. performers |
|                    |        |                               |        | Businesses                         | Higher education <sup>b</sup> | Nonprofit organizations | State and local governments |                     |
| 2015               | 63,825 | 15,007                        | 7,942  | 8,138                              | 25,962                        | 5,863                   | 420                         | 494                 |
| 2016               | 67,105 | 16,055                        | 8,650  | 8,370                              | 26,864                        | 6,270                   | 420                         | 476                 |
| 2017               | 69,871 | 15,905                        | 8,976  | 8,963                              | 27,626                        | 7,576                   | 453                         | 372                 |
| 2018               | 74,588 | 17,818                        | 9,458  | 8,768                              | 30,089                        | 7,615                   | 430                         | 411                 |
| 2019               | 81,118 | 18,298                        | 10,820 | 10,739                             | 32,381                        | 7,892                   | 500                         | 488                 |
| 2020               | 85,305 | 19,572                        | 9,892  | 10,028                             | 35,474                        | 9,191                   | 645                         | 503                 |
| 2021               | 86,244 | 16,764                        | 10,529 | 10,790                             | 37,027                        | 9,760                   | 887                         | 488                 |
| 2022 (preliminary) | 88,464 | 18,352                        | 10,789 | 10,528                             | 37,605                        | 9,839                   | 849                         | 502                 |

FFRDC = federally funded research and development center.

<sup>a</sup> Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.

<sup>b</sup> Higher education includes both public and private institutions as well as University Affiliated Research Centers.

**Note(s):**

Because of rounding, detail may not add to total. FFRDC funding over the years may be affected by the creation of new FFRDCs and the phasing out of other FFRDCs. For details, see the notes in the Master Government List of Federally Funded R&D Centers at <http://www.nsf.gov/statistics/ffrdclist/#ffrdc>. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009. FYs 2020, 2021, and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.